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
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Separation Science e-Learning

## GC Solutions

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### ISSUE 16

#### Uncoated Pre-Column Backflush Configuration

This month we discuss one of the newer approaches to capillary column backflush: the uncoated pre-column configuration.

Uncoated (but deactivated) capillary columns are often intimately connected to analytical columns with glass press-fit connectors or metal straight unions. Originally, such pre-columns were found to help overcome some of the problems found in capillary GC with condensed sample at the head of the column. Such can happen in splitless injections, where even though the sample is vaporized in the inlet, it recondenses in the head of the column. This is also the case when injecting samples with cool on-column injection where the sample is introduced directly into the column as a liquid. Dr Matthew Klee explains more...

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### ISSUE 15

#### Coated Pre-Column Backflush

Continuing our discussion of the three configurations of capillary column backflush, this month we cover the coated pre-column configuration. Dr Matthew Klee explains more...

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### ISSUE 14

#### Post-Column Backflush

We continue last month's backflush discussion with a description of the most common form of backflush: post-column backflush. Of the three possible configurations of capillary column backflush (post-column, coated re-column and uncoated pre-column), post-column is the most straightforward. Dr Matthew Klee explains more...

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